

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Hong Zhang and Andrew T. Watt : Art Unit: Not yet assigned  
Serial No.: Not yet assigned : Examiner: Not Yet Assigned  
Filed: Concurrently herewith :  
For: ANTISENSE MODULATION OF :  
CASPASE 7 EXPRESSION

INFORMATION DISCLOSURE STATEMENT

EXPRESS MAIL LABEL NO: EV 146602702 US  
DATE OF DEPOSIT: September 16, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R :

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO-1449 form submitted herewith.

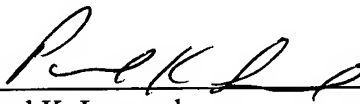
This submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

Copies of the references cited on the attached PTO-1449 form can be found in the parent case, U.S. Serial No. 09/659,860, filed September 11, 2000.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

No first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or certification is required. 37 C.F.R. § 1.97(b).

Respectfully submitted,

  
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Paul K. Legaard  
Reg No.: 38,534

Enclosures:  
PTO-1449

Dated: September 16, 2003

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Philadelphia, PA 19103  
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Form PTO-1449 Modified		Docket No. ISIS0054-100/RTS-0201.C1	Serial No. not yet assigned
List of Patents and Publications Cited by Application (Use several sheets if necessary)		Applicant Hong Zhang et al.	
		Filing Date herewith	Group
U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AA	Afford et al., Apoptosis, Mol. Pathol., 2000, 53:55-63	
	AB	Behrendorf et al., The endothelial monocyte-activating polypeptide II (EMAP II) is a substrate for caspase-7, FEBS Lett., 2000, 466:143-147	
	AC	Bowen et al., Synthesis of procaspases-3 and -7 during apoptosis in prostate cancer cells, Cell Death Differ., 1999, 6:394-401	
	AD	Bratton et al., Protein complexes activate distinct caspase cascades in death receptor and stress-induced apoptosis, Exp. Cell. Res., 2000, 256:27-33	
	AE	Bullrich et al., Chromosomal mapping of cell death proteases CPP32, MCH2, and MCH3, Genomics, 1996, 36:362-365	
	AF	Deveraux et al., IAPs block apoptotic events induced by caspase-8 and cytochrome c by direct inhibition of distinct caspases, Embo J., 1998, 17:2215-2223	
	AG	Dong et al., Serine protease inhibitors suppress cytochrome c-mediated caspase-9 activation and apoptosis during hypoxia-reoxygenation [In Process Citation], Biochem. J., 2000, 347 Pt 3:669-677	
	AH	Duan et al., ICE-LAP3, a novel mammalian homologue of the Caenorhabditis elegans cell death protein Ced-3 is activated during Fas- and tumor necrosis factor-induced apoptosis, J. Biol. Chem., 1996, 271:1621-1625	
	AI	Fernandes-Alnemri et al., Mch3, a novel human apoptotic cysteine protease highly related to CPP32, Cancer Res., 1995, 55:6045-6052	
	AJ	Garcia-Calvo et al., Purification and catalytic properties of human caspase family members, Cell. Death Differ., 1999, 6:362-369	
	AK	Germain et al., Cleavage of automodified poly(ADP-ribose) polymerase during apoptosis. Evidence for involvement of caspase-7, J. Biol. Chem., 1999, 274:28379-28384	
EXAMINER		DATE CONSIDERED	

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U.S. Department of Commerce Patent and Trademark Office			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
--	AL	Juan et al., Identification and mapping of Casp7, a cysteine protease resembling CPP32 beta, interleukin-1 beta converting enzyme, and CED-3, Genomics, 1997, 40:86-93	
	AM	King et al., Processing/activation of caspases, -3 and -7 and -8 but not caspase-2, in the induction of apoptosis in B-chronic lymphocytic leukemia cells, Leukemia, 1998, 12:1553-1560	
	AN	Lippke et al., Identification and characterization of CPP32/Mch2 homolog 1, a novel cysteine protease similar to CPP32, J. Biol. Chem., 1996, 271:1825-1828	
	AO	Marcelli et al., Caspase-7 is activated during lovastatin-induced apoptosis of the prostate cancer cell line LNCaP, Cancer Res., 1998, 58:76-83	
	AP	Marcelli et al., Signaling pathway activated during apoptosis of the prostate cancer cell line LNCaP: overexpression of caspase-7 as a new gene therapy strategy for prostate cancer, Cancer Res., 1999, 59:382-390	
	AQ	Thornberry, The caspase family of cysteine proteases, Br. Med. Bull., 1997, 53:478-490	
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**U.S. PATENT DOCUMENTS**

Examiner's Initial		Document No.	Date	Name	Class	Subclass
	AA	6,004,933	12/21/1999	Spruce et al.	514	17
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					
	AM					
	AN					

**FOREIGN PATENT DOCUMENTS**

Examiner's Initial		Document No.	Date	Country	Translation YES NO	
	AO	WO 00/02858	01/20/2000	PCT		
	AP	WO 00/21523	04/20/2000	PCT		
	AQ	WO 99/66945	12/29/1999	PCT		
	AR	WO 99/66930	12/29/1999	PCT		
	AS	WO 00/10979	03/02/2000	PCT		
	AT	WO 97/16552	05/09/1997	PCT		
	AU					
	AV					
	AW					
	AX					

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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